Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-10 (Canceled).

Claim 11 (Currently amended): ~~A~~ The method according to claim ~~10~~ 18, wherein the period duration ~~(55)~~, or frequency, respectively, for the pulse width modulation for switching over the switching elements ~~(6-9)~~ of the bridge inverter ~~(5)~~ is set as a function of the ~~energy~~ current detected.

Claim 12 (Currently amended): ~~A~~ The method according to claim ~~10~~ 18, wherein the switching times of the switching elements ~~(6-9)~~ of the bridge inverter ~~(5)~~ are evaluated as a function of the ~~energy~~ current detected and set automatically.

Claim 13 (Currently amended): ~~A~~ The method according to claim ~~10~~ 18, wherein the switching times of the switching elements ~~(6-9)~~ of the bridge inverter ~~(5)~~ are calculated in dependence on the ~~energy~~ current detected or are selected from a

table with correspondingly stored data~~, in which table, e.g. corresponding values for the switching times, in particular for the dead time (42) and/or for the pulse duration (55) or the frequency, respectively, are stored~~ for the most varying mean values.

Claim 14 (Currently amended): ~~A~~ The method according to claim ~~10~~ 18, wherein the switching times of the switching elements ~~(6-9)~~ of the bridge inverter ~~(5)~~ are set as a function of the mean value of the current flowing over the primary winding ~~(19)~~ of the transformer ~~(18)~~.

Claim 15 (Currently amended): ~~A~~ The method according to claim ~~10~~ 18, wherein the switching elements ~~(6-9)~~ are activated at appropriately set points of time.

Claim 16 (Currently amended): ~~An inverter, in particular a~~ A solar inverter ~~(1),~~ for feeding ~~energy~~ current produced by a d.c. voltage source ~~(2)~~ into an a.c. voltage grid ~~(3)~~, said inverter comprising a bridge inverter ~~(5)~~, a transformer ~~(18)~~, a rectifier ~~(21)~~, a back chopper ~~(22)~~ including a full bridge and an output filter ~~(23)~~, a control device ~~(24)~~ being provided for controlling the parameters of the inverter ~~(1)~~, wherein a device

for detecting the ~~energy~~ current produced by the d.c. voltage source ~~(2)~~ is provided, which device is connected to the control device ~~(24)~~, and ~~in that~~ wherein the bridge inverter ~~(5)~~ is designed for adapting a dead time ~~(42)~~ for the switching elements ~~(6-9)~~ and/or a pulse duration ~~(55)~~, or frequency, respectively, for the pulse width modulation as a function of the ~~energy~~ current detected, the dead time representing a time of the switching elements for switching over from one switching element to a further switching element connected in series of the bridge inverter.

Claim 17 (Currently amended): ~~An~~ The inverter according to claim 16, wherein the device for detecting the ~~energy~~ current produced by the d.c. voltage source ~~(2)~~ is formed by a current measurement unit ~~(26)~~ on the primary side of the transformer ~~(18)~~.

Claim 18 (New): A method for a solar inverter for feeding current produced by a d.c. voltage source into an a.c. voltage grid (3) comprising the steps of:

(a) chopping the current produced by the d.c. voltage source in a form of a pulse width modulation by a bridge inverter by

alternate switching of switching elements connected in parallel and connected in series;

(b) transmitting the current chopped via a transformer connected between the switching elements that are connected in series; and

(c) rectifying the current transmitted and feeding the current into the a.c. voltage grid via a buck chopper;

wherein, for a power adaptation, the switching times of the switching elements of the bridge inverter are controlled, or regulated, respectively;

wherein the current produced by the d.c. voltage source, is detected at intervals which are cyclical, or detected permanently, and

wherein a dead time of the switching elements of the bridge inverter is set as a function of the detected current of the d.c. voltage source, the dead time representing a time of the switching elements for switching over from one switching element to a further switching element connected in series of the bridge inverter.